

~ TYPICAL SECTION ~

## NOTES:

- I. Hand hold bars shall be installed on the inside of exterior beams and on both sides of interior beams when called for on the Design Drawings.
- 2. Termination and splicing of hand hold bars shall occur at stiffeners or connection plates. Angle supports shall be used at intermediate locations only. All termination and splice plates shall be a minimum of  $\frac{1}{2}$  inch thick. Additional stiffeners shall be provided where necessary to meet the described requirements.
- 3. Hole sizes for bolts and hand hold bars shall be  $\frac{1}{16}$  inch larger than the bolt / bar size. Edge distances for holes shall be  $\frac{1}{2}$  inches unless otherwise shown.
- 4. For unpainted applications, the hand hold bar and nuts shall be galvanized to conform to ASTM M IIIM/M III.

## MATERIALS:

With unpainted structural steel - All steel\_\_\_\_AASHTO M 270/M 270M, Gr. 50W With painted structural steel - All steel\_\_\_\_AASHTO M 270M/M 270, Gr. 36 Heavy hex nuts for I" \$\phi\$ bar\_\_\_\_\_\_AASHTO M 291

